

AMENDMENTS TO THE CLAIMS

The below listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A gear-shifting device for a manual transmission in which an operational force applied at a change-lever for a shift operation is transmitted selectively to actuate a synchro-sleeve for a gear shift;

wherein:

 said gear-shifting device comprises a shift arm, which is rotatable in correspondence to said shift operation of said change-lever, and a shift piece, which is in contact with said shift arm and is capable of shifting in response to said rotation of said shift arm;

 said shift arm having heteromorphous cams at a contacting part thereof, wherein said cams are in contact with said shift piece and wherein said heteromorphous cams have at least two different cam profiles which contact the same surface of said shift piece; and

 while said shift arm is rotating in correspondence to said shift operation, a distance between said contacting part and a rotational axis of said shift arm varies to change a leverage effective between said change-lever and said contacting part.

2. (Original) The gear-shifting device for a manual transmission, as set forth in claim 1,

wherein:

 while said change-lever is being operated from a neutral position to a geared position, said leverage becomes smaller halfway through the operation.

3. (Original) The gear-shifting device for a manual transmission, as set forth in claim 1 or 2, wherein:

 said manual transmission comprises a plurality of speed-change gears and a synchromesh mechanism, which synchronizes said synchro-sleeve and one of said speed-change gears by pushing said synchro-sleeve onto said speed-change gear; and
 said leverage is maximum at a time of synchronization by said synchromesh mechanism.

4. (Original) The gear-shifting device for a manual transmission, as set forth in claim 3, wherein:

 said heteromorphous cams have a compound arc figure, which comprises a plurality of combined arcs having different curvature radii; and
 said leverage changes to a smaller value when said contacting part transits from a surface defined by one arc to a surface defined by another arc among said arcs in response to the rotation of said shift arm after the synchronization.

5. (Previously Presented) The gear-shifting device as set forth in claim 1 or 2, wherein:
 said shift piece is provided with an approximately U shaped selector groove; and
 said contacting part of said shift arm is fitted in said selector groove.

6. (Previously Presented) The gear-shifting device as set forth in claim 1 or 2, wherein:
said shift arm is mounted on a shift selector shaft, which is rotated in correspondence to
the shift operation of said change-lever.